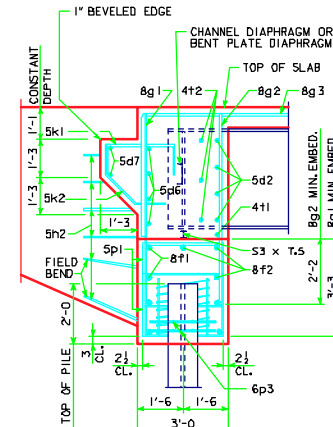


PART REAR ELEVATION AT ABUTMENT

ABUTMENT NOTES:

MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2" UNLESS OTHERWISE NOTED OR SHOWN.

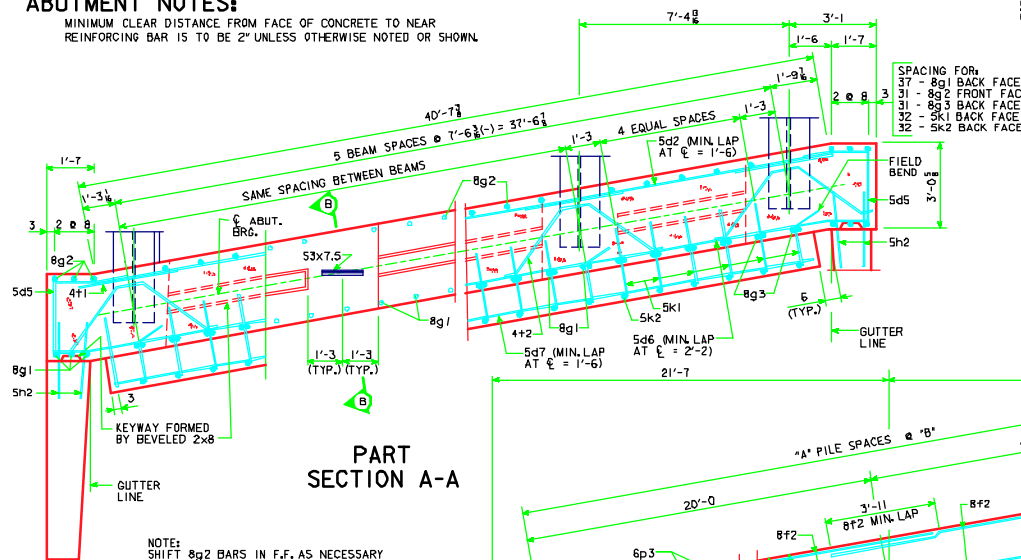


PART SECTION B-B

- NOTES:
- HOLES DRILLED THROUGH BEAM WEB FOR 5d2 AND 4t2 BARS.
 - THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF No. 2 BAR, 21" DIAMETER, 3" PITCH WITH 2 - L₈ X 1/4 X 1/4 SPACERS PUNCHED TO HOLD SPIRAL.

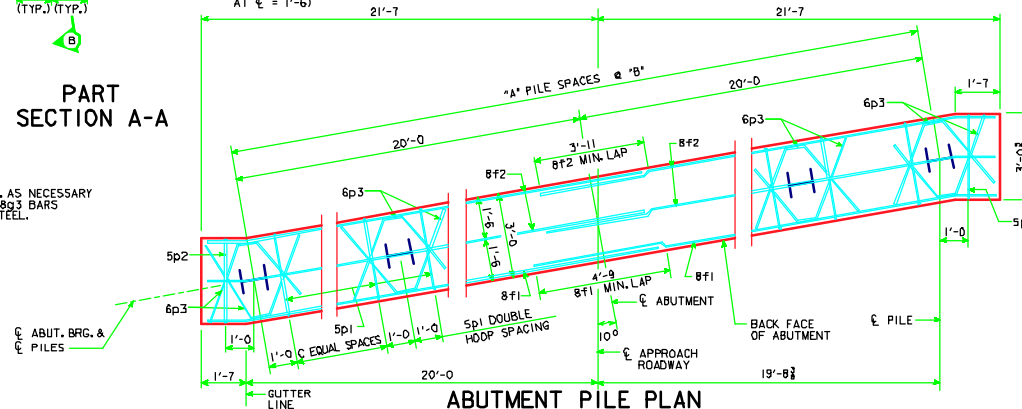
ABUTMENT PILE SPACING

DIMENSION OR NO.	ℓ TO ℓ ABUTMENT BEARING						
	160'-0"	180'-0"	200'-0"	220'-0"	240'-0"	260'-0"	300'-0"
"A" (IN)	6	6	7	7	7	8	8
"B" (FT-IN)	6'-8	6'-8	5'-8 1/2	5'-8 1/2	5'-8 1/2	5'-0	5'-0
"C" EQUAL SPACES	5	5	4	4	4	3	3
NO. OF PILES PER ABUT.	7	7	8	8	8	9	9
DESIGN PILE LOAD (TONS)	34	36	33	35	36	37	36



PART SECTION A-A

NOTE: SHIFT 8g2 BARS IN F.F. AS NECESSARY TO MISS BEAMS, PLACE 8g3 BARS PARALLEL TO LONGIT. STEEL.



ABUTMENT PILE PLAN

NOTE:
ABUTMENT STEP DIAGRAM PROVIDED BY DESIGNER, SEE "ESTIMATED BRIDGE QUANTITIES" SHEET.



Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES

ROLLED STEEL BEAM BRIDGES

FEBRUARY, 2004

ABUTMENT DETAILS
10° SKEW

RS40-AB2-04